



UTILITY PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Robert Beach                      Group Art Unit: 2664  
Serial No.: 10/037,225                      Examiner: Chirag G. Shah  
Filed: October 25, 2001                      Atty Docket No.: 931XX  
For: SECURITY IN MULTIPLE WIRELESS LOCAL AREA NETWORKS

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
P O Box 1450  
Alexandria, VA 22313-1450

Commissioner:

In accordance with 37 C.F.R. 1.56 and in a manner prescribed by 37 C.F.R. 1.97 and 1.98, this Information Disclosure Statement (IDS) is being submitted herewith for consideration by the United States Patent and Trademark Office.

I. **CONTENT**

This IDS includes:

- ☒ A list of all patents, publications, applications, or other information submitted for consideration by the Office on PTO/SB/08A Form, which is included herewith;
- ☒ If required, a legible copy of: (i) each foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) each cited pending U.S. application, the application specification including claims, and any drawing of the application, or that portion of the application which caused it to be listed including any claims directed to that portion; and (iv) all other information or that portion which caused it to be listed, unless subsequently provided in this IDS.

07/12/2006 MAHMED1 00000082 502091 10037225

02 FC:1806 180.00 DA

II. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

- ☒ Except as may be subsequently indicated in this section II, a concise explanation is not required as all of the patents, publications, applications or other information are in the English language, or the degree of relevance of each is indicated in the English language version of the International Search Report, which accompanies this IDS.
- ☐ A concise explanation of the relevance, as it is presently understood by the individual designated in 1.56(a) most knowledgeable about the content of the information, of all patents, publications, applications or other information listed that is not in the English language.
- ☐ A copy of the translation of a non-English Language document, or portion thereof is enclosed with this IDS (e.g., a translation of an abstract).
- ☐ Any patent, publication, pending application or other information that is listed on PTO/SB/08A Form, which are not enclosed herewith were previously cited by or submitted to the Office in one of the following applications that has been relied on for an earlier effective filing date under 35 U.S.C 120 and the IDS submitted in the earlier application complies with paragraphs (a) through (c) of 1.98:

U.S. Application Serial No.	U.S. Filing Date

III. THIS IDS IS BEING FILED UNDER 37 C.F.R. 1.97(b): (check one box)

- ☐ Within three months of the filing date of a national application other than a continued prosecution application under 1.53(d).
- ☐ Within three months of the date of entry of the national stage as set forth in 1.491 in an international application.
- ☐ Before the mailing date of a first Office Action on the merits. In the event that a first Office Action on the merits has been mailed, please consider this IDS under 37 C.F.R. 1.97(c) and see the statement under 1.97(e) or charge deposit account 50-2091 the fee specified by 37 C.F.R. 1.17(p) if such statement is not selected in Section VI.
- ☐ Before the mailing of a first Office Action after the filing of a request for continued examination under 1.114.

IV. THIS IDS IS BEING FILED UNDER 37 C.F.R. 1.97(c):

- ☒ After the period specified in 37 C.F.R. 1.97(b) and before the mailing date of any of a final action under 1.113, a notice of allowance under 1.311 or an action that otherwise closes prosecution in the application, and accompanied by:
- ☐ a statement specified in 1.97(e) as subsequently provided in this IDS;  
or
- ☒ the fee set forth in 1.17(p).

V. THIS IDS IS BEING FILED UNDER 37 C.F.R. 1.97(d):

- ☐ After the period specified in 37 C.F.R. 1.97(c) and on or before the payment of the issue fee, and it is accompanied by a statement specified in 1.97(e) as subsequently provided in this IDS and the fee set forth in 1.17(p).

VI. Statement under 37 C.F.R. 1.97(e) (check only one box)

The undersigned hereby states that:

- ☐ Each item of information contained in the IDS was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS.
- ☐ No item of information contained in the IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the IDS was known to any individual designated in 37 C.F.R. 1.56(c) more than three months prior to the filing of this IDS.

VII. Statement under 37 C.F.R. §1.704(d)

- ☐ The undersigned hereby states that each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart application and that this communication was not received by any individual designated in 37 C.F.R. §1.56(c) more than thirty days prior to the filing of the information disclosure statement.

VIII. PAYMENT OF FEES (check one box)

- ☐ A check in the amount of \$\_\_\_\_\_ is enclosed for fees due with respect to this IDS.
- ☒ Please charge Deposit Account No. 50-2091 in the amount of \$180.00 for the fees due with respect to this IDS. A duplicate copy of this paper is included with this IDS.

IX. CONCLUSION

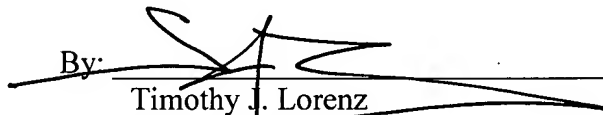
It is respectfully submitted that the claims presently on file patently distinguish the present invention from each of these references cited in this IDS. The references cited in this IDS are being cited only in the interests of candor and without any admission that they constitute statutory prior art or contain matter which anticipates the invention or which would render the same obvious, either singly or in a combination, to a person of ordinary skill in the art. Furthermore the filing of this IDS should not be construed to be an admission that the information cited in this IDS is, or is considered to be, material to patentability as defined in 1.56(b). In addition, the filing of this IDS should not be construed as a representation that a search has been made.

If the Examiner has any questions concerning these IDS, the Examiner is requested to contact the undersigned at the telephone number associated with Customer No. 29,906. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule, with a petition if necessary, and charge the appropriate fee to Deposit Account No. 50-2091.

Please charge any additional fees or credit any overpayment related to this IDS to Deposit Account No. 50-2091.

Respectfully submitted,

Date: 07/07/06

By:   
Timothy J. Lorenz  
Reg. No. 41,954

**Ingrassia Fisher & Lorenz**  
**Customer Number 29906**

Enclosures: ☒ PTO/SB/08A  
☒ References  
☐ Foreign Search Report  
☐ Fee  
☐ Other: \_\_\_\_\_



Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

1

**Complete if Known**

Application Number	10/037,225
Filing Date	10/25/2001
First Named Inventor	Robert Beach
Group Art Unit	2664
Examiner Name	Chirag G. Shah
Attorney Docket Number	931XX

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number				
		US-5239673		Natarajan	08-24-1993	
		US-5371738		Moelard , et al.	12-06-1994	
		US-5432814		Hasegawa	07-11-1995	
		US-5457557		Zarem, et al.	10-10-1995	
		US-5461627		Rypinski	10-24-1995	
		US-5465392		Baptist, et al.	11-07-1995	
		US-5490139		Akagiri	02-06-1996	
		US-5502726		Fischer	03-26-1996	
		US-5504746		Meier	04-02-1096	
		US-5506887		Emery, et al.	04-09-1996	
		US-5546397		Mahaney	08-13-1996	
		US-5602843		Gray	02-11-1997	
		US-5610972		Emery, et al.	03-11-1097	
		US-5623495		Eng, et al.	04-22-1997	
		US-5636220		Vook, et al.	06-03-1097	
		US-5668803		Tymes , et al.	09-16-1997	
		US-5717737		Doviak, et al.	02-10-1098	
		US-5734963		Fitzgerald, et al.	03-31-1998	
		US-5737328		Norman, et al.	04-07-1098	
		US-5758281		Emery, et al.	05-26-1998	
		US-5765112		Fitzgerald, et al.	06-09-1998	
		US-5768531		Lin	07-16-1998	
		US-5771353		Eggleston, et al.	06-23-1998	
		US-5796729		Greaney, et al.	08-18-1998	
		US-5835696		Hess	11-10-1998	
		US-5850526		Chou	12-15-1998	
		US-5870385		Ahmadi, et al.	02-09-1999	
		US-5873085		Enoki, et al.	02-16-1999	
		US-5875186		Belanger, et al.	02-23-1999	
		US-5881094		Schilling	03-09-1999	
		US-5889816		Agrawal, et al.	03-30-1999	
		US-5907544		Rypinski	05-25-1999	
		US-5918181		Foster, et al.	06-29-1999	
		US-5946617		Portaro, et al.	08-31-1999	
		US-5958006		Eggleston, et al.	09-28-1999	
		US-5960344		Mahany	09-28-1999	
		US-5974034		Chin, et al.	10-26-1999	
		US-5991287		Diepstraten	11-23-1999	
		US-5999295		Vowell, et al.	12-07-1999	
		US-6005884		Cook, et al.	12-21-1999	
		US-6006090		Coleman, et al.	12-21-1999	
		US-6011975		Emery, et al.	01-04-2000	
		US-6031863		Jusa, et al.	02-29-2000	
		US-6067291		Kamerman, et al.	05-23-2000	

	US-6088346	Du, et al.	07-11-2000
	US-6101531	Eggleston, et al.	08-08-2000
	US-6119162	Li, et al.	09-12-2000
	US-6137797	Bass, et al.	10-24-2000
	US-6140911	Fisher, et al.	10-31-2000
	US-6154461	Sturniolo, et al.	11-28-2000
	US-6205495	Gilbert, et al.	03-20-2001
	US-6213942	Flach, et al.	04-10-2001
	US-6259898	Lewis	07-10-2001
	US-6272120	Alexander	08-07-2001
	US-6301618	Sitaraman, et al.	10-09-2001
	US-6330231	Bi	12-11-2001
	US-6353599	Bi, et al.	03-05-2002
	US-6359873	Kobayashi	03-19-2002
	US-6393261	Lewis	05-21-2002
	US-6400722	Chuah, et al.	06-04-2002
	US-6414950	Rai, et al.	07-02-2002
	US-6415323	McCanne, et al.	07-02-2002
	US-6473449	Cafarella, et al.	10-29-2002
	US-6496499	Hamilton, et al.	12-17-2002
	US-6590885	Jorgensen	07-08-2003
	US-6629151	Bahl	09-30-2003
	US-6665536	Mahaney	12-16-2003
	US-6681259	Lemilainen, et al.	01-20-2004
	US-6717926	Deboille, et al.	04-06-2004
	US-6724730	Mlinarsky, et al.	04-20-2004
	US-6751250	Kirke, et al.	06-15-2004
	US-6760859	Kim, et al.	07-06-2004
	US-2001/0055283	Beach	12-27-2001
	US-2002/0089958	Feder, et al.	07-11-2002
	US-2002/0099972	Walsh, et al.	07-25-2002
	US-2002/0196763	Reynolds, et al.	12-26-2002
	US-2003/0105865	McCanne, Steven ; et al.	06-05-2003
	US-2003/0112820	Beach, Robert	06-19-2003
	US-2005/0028032	Klein	02-03-2005
	US-2005/0157690	Frank, et al.	07-21-2005
	US-2005/0226181	Beach, Robert	10-13-2005

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
		Office <sup>3</sup>	Number <sup>4</sup>				
			EP0696117	IBM	02-07-1996		
			WO 93/07684	SEXTTEL SPA	04-15-1993		
			WO 95/05720	NOKIA TELECOMMUNICATIONS	02-23-1995		
			WO 96/23377	INTERCOM INC	01-18-1996		
			WO 97/21316	MOTOROLA LIMITED	06-12-1997		
			WO 01/43467 (Same as US application Serial No. 09/457,624)	PROXIM INC	06-14-2001		
			WO 04/107174	SYMBOL TECH INC	12-09-2004		
			WO 04/107638 (Same as US application Serial No. 10/856,157)	SYMBOL TECH INC	12-09-2004		
			GB 2 320 647	MOTOROLA LIMITED	06-24-1998		

**NON PATENT LITERATURE DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**

		Proxim, Inc., White Paper, "What is a Wireless LAN"
		Rypinski, Chandos "Motivation for Centralized LAN Functions," Personal, Indoor and Mobile Radio Communications, 1992. Proceedings, PIMRC '92, Third IEEE International Symposium on Boston, MA, USA 19-21, Oct. 1992, New York, NY, USA, IEEE, US, 19 October 1992, pages 153-158, ISBN: 0-7803-0841-7

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.